

CLAIMS

What is claimed is:

1. A microwave oven comprising:
 - a cabinet having a machine room and a cooking cavity;
 - a magnetron which is installed in the machine room and generates microwaves;
 - a wave guide which guides the microwaves from the magnetron into the cooking cavity;
 - a stirrer which is mounted at a predetermined position of the wave guide and comprises:
 - a fan which disperses the microwaves, and
 - a motor which rotates the fan and includes a flange provided at a predetermined portion of an outer circumferential surface thereof, the flange having at least one hole; and
 - a motor mounting unit which is provided on an outer surface of the wave guide and comprises:
 - a mounting piece which is provided with at least one hole corresponding to the hole of the flange, and
 - a stopper which delimits a mounted position of the motor.
2. The microwave oven according to claim 1, wherein:
 - the motor mounting unit further comprises a seat which receives the motor,
 - the mounting piece is provided at an edge of the seat, and
 - the stopper is upwardly projected from a first piece which is provided at an edge of the seat adjacent to the mounting piece.
3. The microwave oven according to claim 2, wherein:
 - the motor mounting unit further comprises a guide piece which is upwardly projected from a second piece that is provided at an edge of the seat opposite to the mounting piece, the guide piece having a longitudinal slot, and
 - the motor further includes a guide flange provided at a position opposite to the flange so as to be fitted into and guided along the longitudinal slot.
4. The microwave oven according to claim 3, wherein:
 - the motor further includes a terminal unit which is outwardly projected from the outer circumferential surface of the motor at a position between the flange and the guide flange, and

the terminal unit is stopped by the stopper of the motor mounting unit in response to the hole of the flange being aligned with the hole of the mounting piece.

5. The microwave oven according to claim 4, wherein the mounting position of the motor is delimited in response to the terminal unit being stopped by the stopper.

6. A cooking appliance comprising:
a cooking cavity to receive food;
a heating unit to cook the food;
a motor unit to operate the cooking appliance, including a flange having at least one hole; and

a motor mounting unit which comprises a mounting piece having at least one hole corresponding to the hole of the flange and a stopper that delimits a mounted position of the motor unit.

7. The cooking appliance according to claim 6, wherein:
the heating unit includes a magnetron which generates microwaves to cook the food,
and
the motor unit operates a dispersing unit of the cooking appliance that disperses the microwaves to the cooking cavity.

8. The cooking appliance according to claim 7, wherein the cooking appliance is a microwave oven.

9. The cooking appliance according to claim 6, wherein:
the motor mounting unit further comprises a seat which receives the motor unit,
the mounting piece is provided at an edge of the seat, and
the stopper is upwardly projected from an edge of the seat adjacent to the mounting piece.

10. The cooking appliance according to claim 9, wherein:
the motor mounting unit further comprises a guide piece which is upwardly projected from an edge of the seat opposite to the mounting piece, the guide piece having a slot, and

the motor unit further includes a guide flange provided at a position opposite to the flange so as to be fitted into and guided along the slot.

11. The cooking appliance according to claim 10, wherein:

the motor unit further includes a terminal unit which is positioned between the flange and the guide flange, and

the terminal unit is stopped by the stopper of the motor mounting unit in response to the hole of the flange being aligned with the hole of the mounting piece.

12. A microwave oven having a cooking cavity, a magnetron which generates microwaves, and a wave guide which guides the microwave to the cooking cavity, the microwave oven comprising:

a stirrer having a motor to disperse the microwaves, the stirrer provided with respect to the wave guide;

a flange having at least one hole provided to the motor; and

a motor mounting unit which is provided on the wave guide and comprises:

a mounting piece which is provided with at least one hole corresponding to the hole of the flange, and

a stopper which delimits a mounted position of the motor.

13. The microwave oven according to claim 12, wherein:

the motor mounting unit further comprises a seat which receives the motor,

the mounting piece is provided at an edge of the seat, and

the stopper is upwardly projected from an edge of the seat adjacent to the mounting piece.

14. The microwave oven according to claim 13, wherein:

the motor mounting unit further comprises a guide slot, and

the motor further includes a guide flange provided to be guided along the guide slot.

15. A motor mounting unit for a microwave oven having a cooking cavity, a magnetron which generates microwaves, a wave guide which guides the microwave to the cooking cavity, and a stirrer having a motor to disperse the microwaves, the motor mounting unit comprising:

a flange having at least one hole provided to the motor; and

a motor mount which is provided on the wave guide and comprises:

a mounting piece which is provided with at least one hole corresponding to the hole of the flange, and

a stopper which delimits a mounted position of the motor.

16. The motor mounting unit according to claim 15, wherein:

the motor mount further comprises a seat which receives the motor,

the mounting piece is provided at an edge of the seat, and

the stopper is upwardly projected from an edge of the seat adjacent to the mounting piece.

17. The motor mounting unit according to claim 16, wherein:

the motor mount further comprises a guide piece which is upwardly projected from an edge of the seat opposite to the mounting piece, the guide piece having a slot, and

the motor further includes a guide flange provided at a position opposite to the flange so as to be fitted into and guided along the slot.

18. A motor mounting unit for a cooking appliance having a cooking cavity, a heating unit, and a motor to operate the cooking appliance, the motor mounting unit comprising:

a flange having at least one hole provided to the motor; and

a motor mount which comprises a mounting piece having at least one hole corresponding to the hole of the flange and a stopper that delimits a mounted position of the motor.

19. The motor mounting unit according to claim 18, wherein:

the motor mount further comprises a seat which receives the motor,

the mounting piece is provided at an edge of the seat, and

the stopper is upwardly projected from an edge of the seat adjacent to the mounting piece.

20. The motor mounting unit according to claim 19, wherein:
the motor mounting unit further comprises a guide slot, and
the motor further includes a guide flange provided to be guided along the guide slot.